

## ABSTRACT

Disclosed herein is, a composite squirrel cage rotor having a polymer resin part containing powder of high magnetic permeability and method for fabricating it. The composite squirrel cage rotor includes a rotating shaft, an inner core, a polymer resin part that  
5 fills the cavity of the squirrel cage conductor and contains powder of high magnetic permeability. A squirrel cage conductor is positioned outer to portion of the polymer resin part, is formed of, material having high electric conductivity, and provided with a plurality of axial slots.

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